

FILE NOTATIONS

Entered in NID File ✓
 Entered On S R Sheet ✓
 Location Map Pinned ✓
 Card Indexed ✓
 I W R for State or Fee Land

Checked by Chief RLS
 Copy NID to Field Office ✓
 Approval Letter ✓
 Disapproval Letter

COMPLETION DATA:

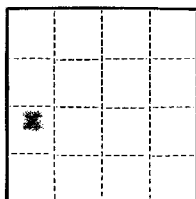
Date Well Completed 3-29-60
 QW WW TA
 GW OS PA ✓

Location Inspected
 Bond released
 State of Fee Land

LOGS FILED

Driller's Log 4-8-60
 Electric Logs (No.) 2

E I E-I ✓ GR GR-N Micro ✓
 Lat Mi-L Sonic Others



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office UTAH
Lease No. 00521
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 22, 1960

Barley Government

Well No. 2 is located 2140 ft. from N line and 500 ft. from W line of sec. 19

19 Sec., 19

(1/4 Sec. and Sec. No.)

18S

(Twp.)

25E

(Range)

Salt Lake

(Meridian)

Barley Dome

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

to follow

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to drill the above well to an approximate depth of 2000' to test the Entrada formation & all other possible oil or gas productive zones encountered. Surface formation is Mancos shale. Surface casing consisting of at least 90' of 8-7/8" 26# N-40 Dr casing will be cemented to surface. If commercial production is encountered a casing string of 5 1/2" 14# or 2-7/8" 6.5# pipe will be run, with sufficient cement to protect all productive zones. Air drilling will be used if possible.

The well will be spudded about March 24, 1960, or as soon as permission is granted.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Releo Petroleum Corporation

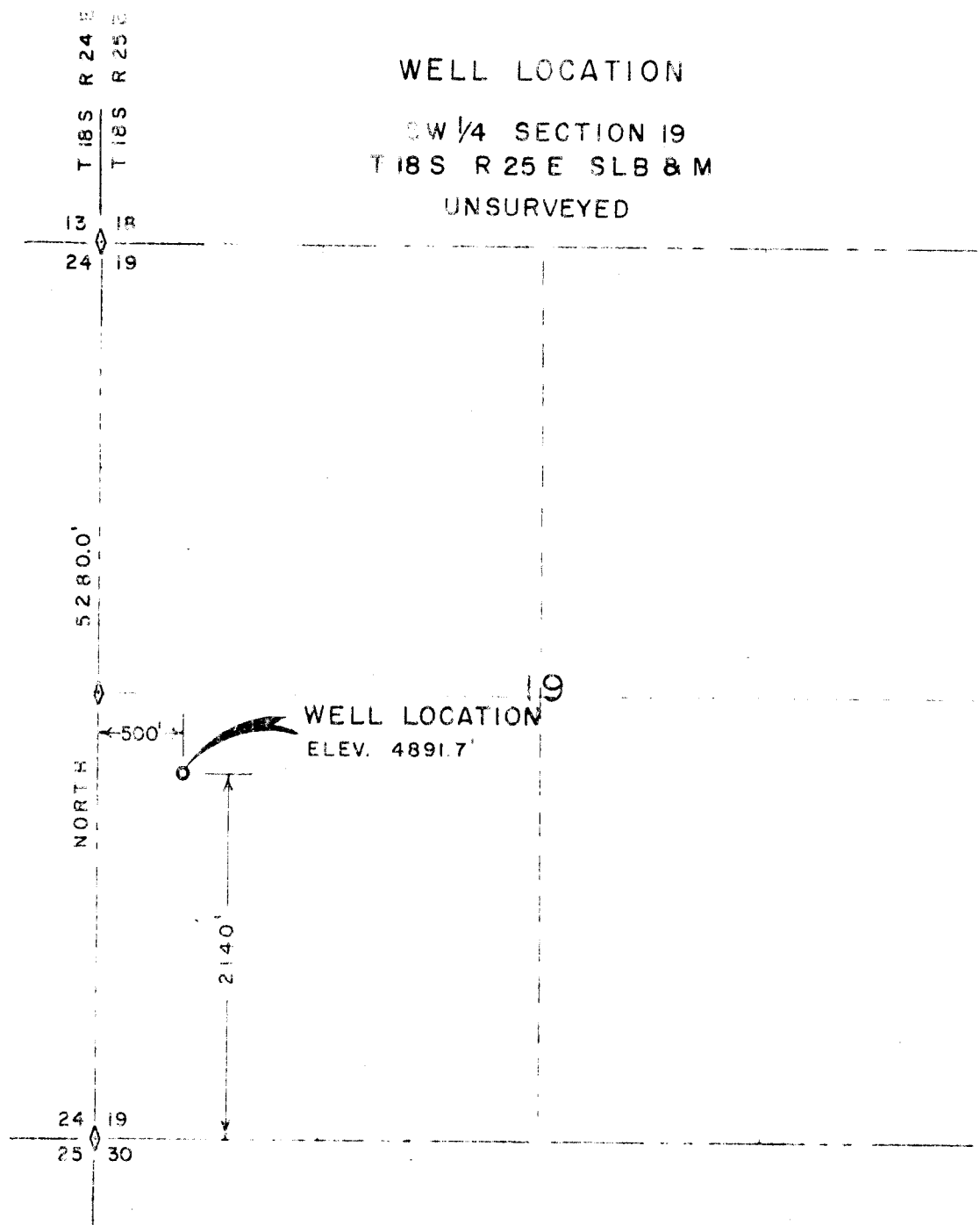
Address P. O. Box 774

Grand Junction

Colorado

By A. Frisch
District Engineer

Title _____



Note: Township unsurveyed. Location surveyed from adjacent surveyed Township 18 South, Range 24 E. Range Corners marked for Section 19 which location was made.

I, the undersigned, do hereby certify that this plat was plotted from notes of a field survey made under my supervision on March 22, 1960.

Richard J. Mansfield
 Registered Professional Surveyor

REVISED

WESTERN ENGINEERS	
WELL LOCATION	
BELCO PETROLEUM COMPANY	
HARLEY GOV'T NO. 2	
GRAND COUNTY, UTAH	
SURVEYED	W.F.E.
DRAWN	F.B.F.
Signed and sealed this 3/23/60	

March 28, 1960

Beleo Petroleum Corporation
P. O. Box 774
Grand Junction, Colorado

Attention: A. Frisch, District Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Harley Government 2, which is to be located 2140 feet from the south line and 500 feet from the west line of Section 19, Township 18 South, Range 25 East, SL, Grand County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:avg

cc: D. F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE

LEASE NUMBER

UNIT

Utah

06501-4

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Harley DomeThe following is a correct report of operations and production (including drilling and producing wells) for the month of March, 19 60,Agent's address P. O. Box 774 Company HELCO PETROLEUM COMPANY
Grand Junction, ColoradoSigned R. L. Fendergrass
Phone CH 3-0682 Agent's title District Superintendent

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
30 SW KE 18S	24E	1	0							Shut in - no market.
19 NE SW 18S	25E	2	0							Plugged & Abandoned

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Utah

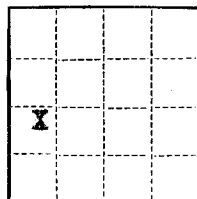
(SUBMIT IN TRIPLICATE)

Land Office

06581-A

Lease No.

Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	Subsequent report on running csg.	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 30, 1960

Harley Govt.
Well No. 2 is located 2140 ft. from {N
S} line and 500 ft. from {E
W} line of sec. 19
SW 1/4 Sec. 19 13 S 25 E Salt Lake
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Harley Dome Grand Utah
(Field) (County or Subdivision) (State or Territory)

KB
The elevation of the derrick floor above sea level is 4900 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The above well was spudded on March 25, 1960 and a 12-1/4" hole drilled to 130'. Surface casing consisting of 3 jts. of 8-5/8" 24# J-55 8R Casing, totaling 100.19' was landed at 111.89' and cemented with 70 sacks of Ideal regular cement with 2% HA-5. Good cement returns were obtained, and after WOC 9 hrs., the casing was tested to 350 psi for 30 min. and the cement drilled.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company BELCO PETROLEUM CORPORATION

Address P. O. Box 774
Grand Junction, ColoradoBy A. Frisch
A. Frisch
District Engineer

Title

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 06581-A
Unit _____

X			

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 30, 1960

Harley Govt.

Well No. 2 is located 2140 ft. from NT line and 500 ft. from E line of sec. 19

SW 1/4 Sec. 19

(1/4 Sec. and Sec. No.)

18 S

(Twp.)

25 E

(Range)

Salt Lake

(Meridian)

Harley Dome

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

KB

The elevation of the ~~derrick floor~~ above sea level is 4900 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The above well was drilled to a total depth of 1980', where Induction and Micro Logs were run. The Logs showed that no commercial zones had been encountered. We are requesting permission to plug the well as follows:

1980-1950' Heavy mud
1950-1850' 30 sacks cement
1850-1270' Heavy mud
1270-1070' 70 sacks cement

Top Entrada - 1893'
Top Morrison - 1255'
Top Dakota - 1100'

1070- 150' Heavy mud
150- 50' 30 sacks cement
50- 20' Heavy mud
20- 0' 10 sacks cement

Btm. Surface Casing - 112'

A regulation marker will be set and the location cleaned up.

(Approval by phone March 30, 1960.)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company BELCO PETROLEUM CORPORATION

Address P. O. Box 774

Grand Junction, Colorado

By

A. Frisch

Title

District Engineer

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Utah
Lease No. 06581-A
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 6, 1960

Harley Govt.

Well No. #2 is located 2140 ft. from N line and 500 ft. from E line of sec. 19

SW 1/4 Sec. 19

(1/4 Sec. and Sec. No.)

18 S

(Twp.)

25 E

(Range)

Salt Lake

(Meridian)

Harley Dome

(Field)

Grand

(County or Subdivision)

Utah

(State or Territory)

KB

The elevation of the ~~derrick floor~~ above sea level is 4900 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

A 7-7/8" hole was drilled from below the surface casing at 111.89' to 1821' with air and soap injection, and from 1821' to total depth of 1980' with mud. On March 29, 1960, Induction and Micro Logs were run to total depth. No commercial production was encountered so the well was plugged as follows:

1980-1950' Heavy mud
1950-1850' 30 sacks cement
1850-1270' Heavy mud
1270-1070' 70 sacks cement

1070- 150' Heavy mud
150- 50' 30 sacks cement
50- 20' Heavy mud
20- 0' 10 sacks cement

Top Entrada - 1893'
Top Morrison - 1255'
Top Dakota - 1100'

Btm. Surface Casing - 112'

A regulation marker has been erected
and the location cleaned up.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company BELCO PETROLEUM CORPORATIONAddress P. O. Box 774Grand Junction, Colorado

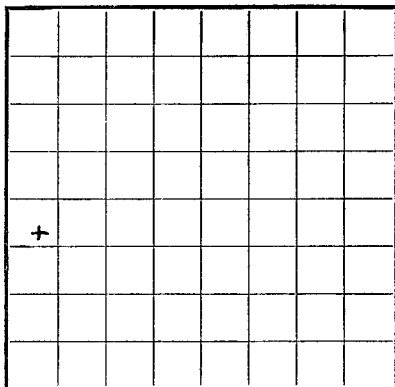
By

A. Frisch

Title

A. Frisch
District Engineer

U. S. LAND OFFICE
SERIAL NUMBER 06581-A
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **BELCO PETROLEUM CORP.** Address **Box 774, Grand Junction, Colo.**
Lessor or Tract **Government** Field **Harley Dome** State **Utah**
Well No. **2** Sec. **19** T. **18S** R. **25E** Meridian **Salt Lake** County **Grand**
Location **2140** ft. **N** of **S** Line and **500** ft. **3/4** of **W** Line of **Sec. 19** Elevation **4900'** KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date **April 6, 1960** Signed **A. Frisch** Title **District Engineer**

The summary on this page is for the condition of the well at above date.

Commenced drilling **March 25**, 19 **60** Finished drilling **March 29**, 19 **60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **None** to **None** No. 4, from **None** to **None**
No. 2, from **None** to **None** No. 5, from **None** to **None**
No. 3, from **None** to **None** No. 6, from **None** to **None**

IMPORTANT WATER SANDS

No. 1, from **None** to **None** No. 3, from **None** to **None**
No. 2, from **None** to **None** No. 4, from **None** to **None**

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
8-5/8"	24	8	CF&I	100'	Guide				Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	112'	70	Conventional		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 1980 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 6, 1960 Put to producing P & A March 30, 1960

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

George Homedew, Driller Arvel Bartlett, Driller

George Ginder, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1100'	1100'	<u>Mancos Shale</u>
0	90'	90'	<u>No Samples</u>
90'	1100'	1010'	Sh, dk gry-blk, carb in pt, calc, sl slty, bent, fissile - sft.
1100'	1255'	155'	<u>Dakota Sandstone</u>
			Intbdd ss & sh; ss, lt gy-wht, m-c, sbrd, clean, frly well sorted, "salt & Pepper", frly lse, slty in upper 25 ft; sh, dk gy, slty, calc, scat qtz grns.
1255'	1893'	638'	<u>Morrison Formation</u>
			Intbdd sh, varicolored grn, brn, red, maroon, lavender, sft, calc, soapy in pt; & ss, wht, f, sbang-sbrd, fri-frly consol, slty in pt.
1893'	1980' TD	87'	<u>Entrada Sandstone</u>
			Ss, wht-rose colored, m-c, rnd-well rnd, frly lse, mnw glauc & c qtz grns.

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

This well was spudded on March 25, 1960 and a 12-1/4" hole drilled to 130'. Surface Casing consisting of 3 jts. of 8-5/8" 24# J-55 8R casing totaling 100.19' was landed at 111.89' and cemented with 70 sacks of Ideal regular cement with 2% HA-5. Good cement returns were obtained, and after WOC 9 hrs., the casing was tested to 350 psi for 30 min and the cement drilled.

A 7-7/8" hole was drilled from below the surface casing at 111.89' to 1821' with air and soap injection, and from 1821' to total depth of 1980' with mud.

On March 29, 1960, Induction and Micro Logs were run to total depth. No commercial production was encountered, so the well was plugged as follows:

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Top Entrada	-	1893'
Top Morrison	-	1255'
Top Dakota	-	1100'

Btm. Surface Casing - 112'

A regulation marker has been erected and the location cleared up.